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N68936-99-D-0031 Task Order 0004 Page 2 of 6

# J. SUPPLIES/SERVICES:

## CLIN DESCRIPTION

0001

0001AB

Have Ham Modulator Subsystem (SOW 3.1)

MAX ESTIMATED COST
BASE FEE
MAX AWARD FEE
TOTAL COST + AWARD FEE
MATERIAL ESTIMATED COST
MATERIAL FEE

CLIN TOTAL

0001AA 8 Each Have Ham Modulators Subsystems

7 Each Have Ham Modulators Subsystems

9992 HH Modulator System Upgrade (SOW 3.2)

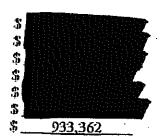
MAX ESTIMATED COST
BASE FIEE
MAX AWARD FIEE
TOTAL COST + AWARD FIEE
MATERIAL ESTIMATED COST
MATERIAL FIEE

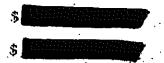
AN/DPT-1 Modifications (SOW 3.3)

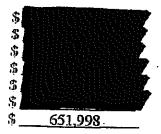
CLIN TOTAL

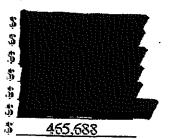
MAX ESTIMATED COST
BASE FEE
MAX AWARD FEE
TOTAL COST + AWARD FEE
MATERIAL ESTIMATED COST
MATERIAL FEE
CLIN TOTAL

AMOUNT







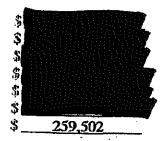


N68936-99-D-0031 Task Order 0004 Page 3 of 6

0004

AN/DLQ-9 MIDI Pod Prototype (SOW 3.4)

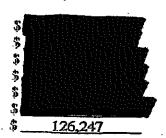
MAX ESTIMATED COST
BASE FEE
MAX AWARD FEE
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MATERIAL ESTIMATED COST
MATERIAL FEE
CLIN TOTAL



0005

Universal Frequency Translator (UFT) Prototype (SOW 3.5)

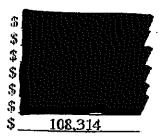
MAX ESTIMATED COST
BASE FEE
MAX AWARD FEE
TOTAL COST + AWARD FEE
MATERIAL ESTIMATED COST
MATERIAL FISE
CLIN TOTAL



000%

Technique Controller Modulator (TCM) Prototype (SOW 3.6)

MAX ESTIMATED COST
BASE FEE
MIAX AWARD FEE
TOTAL COST + AWARD FEE
MATERIAL ESTIMATED COST
MATERIAL FEE
CLIN TOTAL



0007

TCM Prototype Upgrade (SOW 3.7)

MAX ESTIMATED COST
BASE FEE
MAX AWARD FEE
TOTAL COST + AWARD FEE
MATERIAL ESTIMATED COST
MATERIAL FEE
CLIN TOTAL

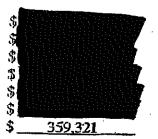


N68936-99-D-0031 Task Order 0004 Page 4 of 6

0008

ANIALQ-167 Pod Fabrication (SOW 3.8)

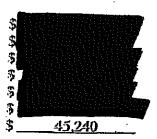
MAX ESTIMATED COST
BASE FEE
MAX AWARD FEE
TOTAL COST + AWARD FEE
MATERIAL ESTIMATED COST
MATERIAL FEE
CLIN TOTAL



0009

Engineering/Computer Aided Drafting Support (SOW 3.9)

MAX ESTIMATED COST
BASE FILE
MAX AWARD FEE
TOTAL COST + AWARD FEE
MATERIAL ESTIMATED COST
MATERIAL FEE
CLIN TOTAL



Grand Total CLINS 0001 - 0009

\$<u> 3,238,691</u>

### II. <u>FUNDING PLAN</u>

In accordance with the clause entitled "Limitation of Cost (APR 1984)" FAR 52:232-20, the amount presently available for payment by the Government and allotted to this Task Order is \$108,314. This amount covers the entirety of CLIN 0006. CLINS 0001 – 0005 and 0007 – 0009 remain unfunded. The contractor shall not commence performance under CLINS 0001 – 0005 and 0007 – 0009 until funding is provided.

### III. SCOPE:

The scope of this Task Order is contained within the Statement of Work (SOW), Attachment (1).

# IV. PLACE OF DELIVERY/FOB DESTINATION:

The articles to be furnished shall be delivered and all transportation charges paid by the supplier to the Naval Air Warfare Center, Weapons Division, Point Mugu, CA. Deliveries will be accepted Monday through Thursday from 8:00 AM to 4:30 PM. No deliveries will be received on Fridays.

# V. INSPECTION AND ACCEPTANCE:

Inspection and acceptance will be performed at destination by the Contracting Officer's Representative (COR).

### VIL SHIP TO/MARK FOR:

Each shipment will be clearly marked to show the following information:

SHIP TO:

MARK FOR:

Receiving Officer

Contract N68936-99-D-0031

MAWCWD

Delivery Order 0004

Point Mugu, CA 93042

ATTN: Tom Williams, Code 539400E

### YIL PERIOD OF PERFORMANCE:

The period of performance for this Task Order is stated in the SOW, Attachment (1).

### YUU TRAVEL:

Approval for any travel other than that indicated in the SOW shall be obtained in writing from the COR in advance. Costs associated with any travel not so approved by the Contracting Officer will be disallowed.

# IX. ACCOUNTING AND APPROPRIATION DATA:

FUNDING IS PROVIDED FOR CLIN 0006 ONLY.

### FUNDING FOR CLIN 0006:

AA 97X4930.NH2C 000 77777 0 068936 2F 000000 00016891XI00 \$108,314.00 REQ# N63126-0168091XK JON: A534C0EG11

# X. CONTRACTING OFFICER'S REPRESENTATIVE (COR):

The COR is responsible for monitoring the performance and progress as well as overall technical management of this order and should be contacted regarding questions or problems of a technical nature. When, if in the opinion of the contractor, the COR requests effort outside the scope of this order, the contractor will promptly notify the Ordering Officer in writing. In no event however, will any understanding or agreement, modification, change order, or other matter deviating from the terms of the order between the contractor and any other person other than the Ordering Officer be effective or binding upon the Government.

Only when formalized by proper contractual documents executed by the Ordering Officer within the scope, or if a change order has been issued, shall any modifications or changes to the original contract occur.

On all problems that pertain to contract or order terms, the Contractor will contact the Ordering Officer.

The Ordering Officer is:

Nathan Simpson

Code 2300000E

805/989-1303

The COR is:

Rosie Vorwerk

Code 535000D

760/939-0260

The Technical Assistant is:

Tom Williams

Code 539400E

805/989-3538

# TERRAT SIMULATORS SUBSYSTEM DEVELOPMENT SUPPORT

#### STATEMENT OF WORK

1.0 <u>SCOPE</u>. The Contractor shall re-engineer, upgrade, design, develop, prototype, fabricate and test the subsystems listed below for the ANULQ-21(V), ANULQ-24, ANIAST 6, ANIALQ 167 and ANULQ-26(V) ECM simulators. Each subsystem provided by the Contractor shall be based on the Government's applicable specification and/or current drawing package.

### 2.0 APPLICABLE DOCUMENTS

#### 2.1 Military Standards

MIL-STD-100 Technical Data Packages (for Guidance Only)

MIL-STD-100 Engineering Drawings (for Guidance Only)

MIL-STD-130 Identification Marking of U.S. Military Property (for Guidance Only)

MIL-STD-461 Requirements For Control of Electromagnetic Interference Characteristics of SubSystems and Equipment (Interface Standard)

MIL-STD-704 Aircraft Electric Power Characteristics (Interface Standard)

(Direction of the Carlo Carlo

MII-STD-810 Environmental Test Methods - Engineering Guidelines (for Guidance Only)

### 2.2 Other Government and Industrial Documents

### 2.3 Specifications/ Technical Regulirements Documents

13672 BW260 Transmitting Set, Radar AN/DPT-1(V)

3.0 <u>REQUIREMENTS.</u> The Contractor shall perform requirements analysis and modification design, and fabricate and deliver bardware and documentation for the following ECM simulator subsystems: Universal Frequency Translator (UFT), AN/DPT-1 radar transmitting set modifications; HAVE HAM Modulator, Technique Control Modulator (TCM), AN/DLQ-9 MIDI Pod and the ANVALQ-167 pod. Tasking shall include existing subsystem variant design; subsystems fabrication; documentation updates reflecting current designs/fabricated subsystems; and verification and validation of existing design documentation. This effort shall be performed under the premises of ISO-9000.

3.1 Have Ham Modulator Subsystem. The Contractor shall provide fifteen prototype (1.5) Have Ham Modulators. The subsystems shall meet the drawing package requirements referenced in paragraph 2.2 and shall incorporate any new design specifications and/or requirements provided by the Government. The Contractor shall analyze and research the use of alternate vendors, availability of parts, and manufacturing processes to reduce cost and improve subsystem capability/upgradeability. The Contractor shall document any proposed design changes and obtain approval from the Government prior to upgrade fabrication in accordance

with CDRL A001. Upon Government approval the Contractor shall prototype fifteen (15) subsystems and update all design decumentation to reflect the as-built configuration. The Confractor shall generate documentation on a Government approved Contractor CAD/CAE system in accordance with SOW pumpaph 2.1, at a level of desail sufficient for additional subsystems procurement in accordance with CDRL A001. All documentation shall conform to the current drawing package's use of nomenclature and format unless otherwise directed.

The Comractor shall design, conduct and provide test reports for all individual RF components, cables and wising harnesses within each unit. This shall include capturing the performance characteristic of each part within the system (i.e. Amplifier power, saturation level, loss..). The Contractor shall also conduct an acceptance test in accordance with the requirements referenced in SOW paragraph 2.2. The contractor shall provide a summary of all test results with each system delivered in accordance with CDRL A002. The Contractor shall provide engineering and test support at the Government's Pt. Mugu facility for final checkout and systems integration.

3.2 HH Modulator Subsystems shall be based on the requirements of the drawing package referenced in SOW paragraph 2.2 and incorporate additional design specifications and/or requirements provided by the Government. The Contractor shall propose an existing RP design repackaging, which increases modularity and allows for ease of troubleshooting and maintenance in accordance with CDRL A001. This design shall include, as possible, the incorporation of subassemblies within the RP section that can be mounted within a VME 3U-form factor. The Contractor shall analyze and research the use of alternate vendors, availability of parts, and manufacturing processes in order to reduce the cost and increase subsystems capability and upgradeability. The Contractor shall document any proposed design changes and obtain approval from the Government prior to subsystem fabrication in accordance with CDRL A001. Upon Government approval, the Contractor shall prototype ten (10) subsystems and update all design documentation to reflect the as-built configuration in accordance with CDRL A001. The Contractor shall generate documentation on a Government approved Contractor CAD/CAE system in accordance with paragraph 2.1, at a level of detail sufficient for additional subsystems procurement. All documentation shall configure to the current drawing package's use of nomenclature and format.

The Contractor shall design/conduct qualification tests and provide test reports for all configuration specific removable components/Circuit Card Assemblies (CCAs), cables and wiring harnesses within each unit in accordance with CDRL A001. When required, this shall include capturing the performance characteristic of each part within the system. The Contractor shall also conduct a qualification acceptance test in accordance with the requirement referenced in paragraph 2.2. The contractor shall provide a summary of all test results with each system delivered in accordance with CDRL A002. The Contractor shall provide engineering and test support at the Government's Pt. Mugu facility for final system checkout and integration when required.

- 3.3 AN/DPT-1 Medification. The contractor shall modify and test ten (10) AN/DPT-1 units as required by SOW paragraphs 2.2 and 2.3. Upon successful medification offort completion and Government CLIN release the Contractor shall medify an additional thirty (30) units. Qualification test data shall be provided for all units in accordance with CDRL A002.
- 3.4 <u>AN/DLC-9 MIDI Pod Prototype</u>. The contractor shall prototype ten (10) AN/DLQ-9 MIDI Pods in accordance with the requirements of SOW paragraph 2.2. All mounting hardware and cabling/waveguide required to mount and interconnect the variant components shall be included in the delivery. Qualification test data shall be provided for all units in accordance with CDRL ACO2.
- 3.5 <u>Universal Frequency Translator (LFT) Prototype</u>. The contractor shall prototype ten (10) UFTs in accordance with the requirements of SOW paragraph 2.2. The Contractor shall perform drawing verification and validation to ensure producibility and maintainability. The Contractor shall test, and provide qualification test reports for the UFT using government provided test procedures in accordance with CDRL A002.
- 3.6 <u>Technique Controller Medulator (TCM) Prototype</u>. The Contractor shall prototype and qualification test five (5) TCM subsystems. The subsystem shall meet the requirements of the drawing package and

specification referenced in SOW paragraph 2.2. The Commeter shall perform drawing venification and validation to ensure producibility and maintainability. The Contractor shall document any proposed design changes and conduct a subsystem critical design review prior to subsystem fabrication in accordance with CDRL A001. Upon Government approval, the Contractor shall manufacture fire (5) subsystems and update all design documentation to reflect the as-built configuration at a level of detail sufficient for additional subsystems procurement. The Contractor shall qualification test, and provide test reports for the TCM using test cards and procedures in accordance with CDRL A002. The contractor shall provide a summary of all qualification test results with each system delivered in accordance with CDRL A002. The Contractor shall provide engineering and test support at the Government's Pt. Mugu facility for final systems checkout and integration.

- 3.7 <u>Technique Controller Modulator (TCM) Upgrade prototype.</u> Upon TCM delivery per paragraph 3.6 and upon government final approval of TCM design changes, the Contractor shall prototype and conformance test thirty (30) TCM subsystems. The subsystem shall meet the updated drawing package requirements and specifications referenced in SOW paragraph 2.2. The Contractor shall perform drawing change varification and validation to ensure producibility and maintainability. Delivery schedules shall be determined prior to release of this CLIN.
- 3.8 <u>ANVALC-167 Pod Pabrication.</u> The contractor shall update the TDP and fabricate ten (10) ANVALQ-167 Pods in accordance with the requirements of paragraphs 2:2 and of this SOW. All mounting hardware and cabling/waveguide required to mount and interconnect the variant components shall be included in the delivery. Test Data and TDP update shall be provided in accordance with CDRL A002 and CDRL A001.
- 3.9 Engineering/Computer Aided Drafting Support. The Contractor shall provide mechanical and/or RF/Microwave engineering, and Computer Aided Drafting (CAD) in the development of new capabilities and/or upgrades of existing capabilities for. This level of effort shall be as required by the Government but shall not exceed 1,000 hours.
- 4.0 <u>DELIVERY SCHEDULE</u>. Work shall commence upon award of this task order based on CLIN activation by funding. The Contractor shall provide a proposed schedule for each CLIN prior to start of work.

The delivery schedule for each individual CLIN will be as follows:

CLIN 0001 CLIN 0002 CLIN 0003 CLIN 0004 CLIN 0005 CLIN 0006 CLIN 0007 CLIN 0008 CLIN 0009	Have Ham Modulator Subsystem HH Modulator Subsystem Upgrade. AN/DPT-1 Modification. AN/DLQ-9 MIDI Pod Pabrication. Universal Frequency Translator (UFT) Fabrication Technique Controller Modulator TCM Technique Controller Modulator (TCM) Upgrade fabrication ALQ-167 Pod fabrication Engineering/Computer Alded Drafting Support	12 months after exercised 12 months after exercised 6 months after exercised 12 months after exercised 6 months after exercised 12 months after exercised 12 months after exercised 12 months after exercised 6 months after exercised 6 months after exercised
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Completion of work is scheduled for 27 months or date of Government acceptance of final delivery on all activated CLINs task order award.

### 5.0 SPECIAL CONSIDERATIONS

### 5.1 <u>Technical Coordinator</u>

The Technical Coordinator for this task order is: Torn Williams Code 539400E NAWCWPNS, Pt Mugu Telephone (805) 989-583-3538 Alternate Technical Coordinator:

Ben Rasnick Code 539400B NAWCWPNS, Pt Mugu Telephone (805) 989-3538

### 5.2 Government Furnished Property

5.2.1 <u>Drawings.</u> The drawings listed in SOW paragraph 2.2 will be provided as Government Furnished Data (GFD) to the Contractor for the subsystems referenced in SOW paragraph 3.0. Any additional required data shall be identified by the Contractor during the course of work. The Contractor shall identify documentation that is maintained at the Contractor's facility.

5.2.2 <u>Test Equipment</u>. To reduce overall program costs the following specialized test equipment will be loaned on an as-required basis as Government Purnished Test Equipment (GFE) to the Contractor to support Contractor subsystem-level fabrication and testing efforts:

8328A Transmission Line Test Set Manufacturer: Hewlett Packard Quantity: 1

494P Programmable Spectrum Analyzer Manufacturer: Tektronics Quantity: 1

8672A Synthesized Signal Generator Manufacturer: Hewlett Packard Quantity: 1

436A Power Meter Manufacturer: Hewlett Packard Quantity: 1

#### 5.3 Security Classification. UNCL ASSIFIED

Travel. Non-local travel may be required in the performance of this delivery order to participate in technical interchange meetings and to research/gather technical information at Point. Mugu. Attendance at Technical Interchange and Research Meetings on site at Pt. Mugu, CA is required within 72 hours of initial government request. Travel estimates shall be based upon a maximum of 18 trips for three (3) people to Pt. Mugu, CA.

5.4 Reports. In support of this task order, the Contractor shall deliver a monthly Cost, Schedule and Status Report (C/SSR) in accordance with the first CLIN C/SSR requirement. In accordance with CDRL A003. The Contractor will deliver a monthly status report that includes a summary of work performed, problems encountered, problems resolved, current schedules and information, including period and cumulative funds/hours expended. This report will be provided to the Technical Coordinator no later than 10 working days following the end of the Contractor's monthly accounting period.

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DATA ITEM DESCRIPTION

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I. IDENTIFICATION MUTTER

PROGRAM PROGRAMS REPUBLIC

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4. APPROVAL DATE

S. OFFICE OF PRIMARY RESPONSIBILITY (OPR)

61. DTIC APPLICABLE | 61. GIDEP APPLICABLE

880330

G/T213

7. APPLICATION/INTERRELATIONSHIP

- 7.1 This data item description (DID) contains the forest and centent preparation destructions for the data product generated by the specific and districts task requirements as delineated in the contract.
- 7.3 This MID is supplicable when the excitorator of the progress of a program is required on a periodic basis.
- 7.3 this DID superredes DI-U-5089A, DI-U-5036A, and DI-A-5023.

S. APPROVAL LIMITATION

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### TO PREPARATION WETFULLDING

- 10.1 Formet. The Program Programs Report shall be in contractor's formet.
- 30.3.1 Male page. the title page shall contain the following:
- MC.1.1.1 (Male. the ultie shall identify the subject of the report, program mane, or
- 10.1.1.2 Meno of contractor, the main of the contractor preparing the report.
- 10.1.1.3 Contract custor. the procurement instrument identification number.
- 1.0.1.4.4 Rev person. The individual assigned to the task or who produced the report.
- 10.1.1.5 Reporting Period. The dates the reporting period begins and ends.
- 10.1.2 Race size. The report shall be on 2 1/2 with inch or matric size M paper and typewrithen or otherwise duplicated in nonfading int.
- 10.2 Control. The report shall contain the following:
- 10.2.1 Work summary. A brief summary of work performed during the reporting period providing positive or megative econemics.

(Contamied on page 2)

II. DISTRIBUTION STATEMENT

BESAUDRICON STATEMENT A: Approved for public release; distribution is unlimited.

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PAGE 1\_ OF \_2 PAGES

#### DI-MARC- 80555

Mock 10, Proparation Indirections (Continued)

- 18.2.2 Scientific. A statement so to windless task or program is on schedule and if not, efforts plumed to meet schedule shall be explained.
- 20.2.3 Studies. Discussion of all studies conducted during the reporting period and the mostles.
- M.2.4 Experimental work/cost procedures. An explanation of experimental work accomplished, description of test procedures applied (cite applicable military specification, paragraph another and test parameters), ments of test and resultations described.
- 11.2.5 Designs. A description and illustration of all designs produced, along with required stranges made to a provious design and a brief statement of any problems encountered.
- 10.2.6 Test equipment. Description, normalature and social number of all test equipments used on the project including appropriate schematic or black diagrams.
- 10.2.6.1 Mist the serial number of all equipment(s) subjected to the testing.
- 10.2.6.1 Provide a brief description of all special test equipment designed or constructed for use on the project including appropriate schematic or block diagrams.
- 10.2.7 Nest performed. Udentification and description of all test(r) performed (cite applicable military specification, paragraph number, and test parameters).
- 10.2.7.1 Provide control settings of the test suple.
- 10.2.7.2 Resolutions of measurement equipment and range of imput signals.
- 10.2.3 Failures. A brief explanation of any failures associated with test and appropriate, protographs, akaddies, etc. to show failures, their causes or other messal conditions.
- 17.2.9 Difficulties/problems. Becomine any difficulties or problems encountered or which previously existed which could after the progression of work along with recommendations of preschaires.
- 30.3.10 Blan. Steps followed dowing execution of tasks.
- IC.2.11 Considerion dates. Projected completion dates for each task.
- 10.2.12 Recognized. Percentage of task completed to claim and percentage of allocated finds expected to tasks.
- 10.2.13 Additional information. Other information which may cause a significant change in the work schedule.

### DATA ITEM DESIGNIPTION

Form, Approved OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to everage 110 hours per response, including the time for reviewing instructions, searching existing data sources, gallection of information. Send comments regarding this burden estimate or any other aspect of this reducing this burden estimate or any other aspect of this reducing, including suggestions for reducing this burden, to Washington Headquarters Services, Giracterate-for information-Operations-and-Reports, 1215 Jefferson Dearts Highway, Suite 1204, Artirogen, VA 22202-4302, and to the Office of Management and Burdet, Paperwork Reduction Project (0704-0180), Washington, DC 20503.

TEST/INSPECTION REPORT

2. IDENTIFICATION NUMBER

DI-NDTI-80809B

#### 3. DESCRIPTION/PURPOSE

3.1 The test/inspection report is used to document test/inspection results, findings, and analyses that will enable the government or contracting agency to evaluate compliance with system requirements, performance objectives, specifications, and test/inspection plans.

4. APPROVAL DATE (YYAAADD) 970124

5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)

F/AFMC-DOP

SAL DTIC APPLICABLE

8b. GIDEP APPLICABLE

#### 7. APPLICATION/INTERRELATIONSHIP

- 7.1 This data item description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task requirement as delineated in the contract.
- 7.2 This DID is applicable to engineering (developmental), preliminary qualification, qualification, and acceptance testing.
- 7.3 This DID supersedes DI-NDTI-80809A and DI-MISC-80653.

8. APPROVAL LIMITATION

Sa. APPLICABLE FORMS

8b. AMSC NUMBER

F7231

#### 10. PREPARATION INSTRUCTIONS

- 10.1 Format. Contractor format is acceptable. Organize the information required by paragraph 10.2 and its subparagraphs in a manner that facilitates presentation and understanding
- 10.2 Content. The test/inspection report shall contain the following information, as applicable.
- 10.2.1 Cover and title page. The following information shall appear on the outside front cover and title page:
  - a. Report date.
  - b. Report number (contractor or government)

  - c. Contractor's name, address, and commercial and government entity code. d. Contract number and contract line item number or sequence number (if applicable).
- e. Type of test/inspection (for example, first article acceptance test, quality conformance inspection, developmental test, qualification test, environmental test).

  f. Identification of item tested/inspected.

  - g. Date or period of test/inspection.
  - h. Name and address of requiring government activity.
  - i. Security classification, downgrading and declassifying information, if applicable.

(Continued on page 2)

#### 11. DISTRIBUTION STATEMENT

DISTRIBUTION STATEMENT A: APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.

00 Form 4664, APR 89

Block 10, Preparation Instructions (continued)

- 10.2.2 Table of contents. The table of contents shall identify the following:
- a. The title and starting page of each major section, paragraph, and appendix of the report.
- b. The page, identifying number, and title of each illustration (for example; figure, table, photograph, chart, and drawing).
- 10.2.3 Introduction. The introduction shall include the following information:
- 10.2.3.1 <u>Test/inspection objective(s)</u>. The specific test/inspection objective(s) as specified in the contract tasking document.
- 10.2.3.2 Item(s) tested/inspected. Complete identification of the item(s) tested/inspected including the following:
  - a. Nomenclature.
  - b. National stock number.

- d. Model number, part number, and serial number
   d. Type of item (for example, prototype, production item, laboratory model).
  - e. Serial or lot number.

f. Applicable engineering changes.

- Production item specification, if applicable. g.
- Date of manufacture.
- 10.2.3.3 Test/inspection requirements. Complete identification of the test/ inspection requirements correlated to contractual requirements including the following:
  - a. Required test/inspection parameters.
- b. Performance requirements, acceptance or compliance limits, and environmental criteria.
- 10.2.4 Summary. Complete test/inspection report summary including the following:
- a. A brief discussion of the significant test/inspection results, observations, conclusions, and recommendations covered in greater detail elsewhere in the report.
- b. Proposed corrective actions and schedules for failures or problems encountered.
- c. Identification of deviations, departures, or limitations encountered, referenced to the contract requirements.
- d. Tables, graphs, illustrations, or charts as appropriate to simplify the summary data.
- 10.2.5 Reference documents. Complete identification of all documents referenced in the test/inspection report including the following, as applicable:
  - a. Prior test/inspection reports on the same item.b. Test/inspection plans and procedure documents.

  - c. Prior certifications of compliance.
- d. Contractor's file designation where test/inspection records are maintained.
  - e. Input parameters used.

The applicable issue of the documents cited therein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be 10.2.6 Body of report. The body of the test/inspection report shall be as follows:

- 10.2.6.1 Test equipment identification. Complete identification of each item of test equipment used in the test/inspection including the following:
  - a. Nomenclature.
  - b. Model number.
  - c. Sorial number.
  - d. Manufacturer.
  - e. Calibration status.f. Accuracy data.

  - g. Comments, if applicable.
- 10.2.6.2 Test/inspection facility installation and set-up. Complete description of the physical set-up used in conducting the test/inspection to include the following:
  - a. Location or orientation of the item.
- b. Location, orientation, or settings of test equipment and instrumentation.
  - c. Location, orientation, or settings of sensors and probes.
  - Location or orientation of interconnections, cables, and hoop-ups. e. Electrical power, pneumatic, fluidic, and hydraulic requirements.
- Orawings, illustrations, and photographs may be used for clarification.
- 10.2.6.3 Test/inspection procedures. Complete description of the procedures used in conducting the test/inspection to include the following:
- a. Item selection and inspection that verified suitability for test/ inspection.
- b. Summarized sequence of testing/inspection steps, including a description of how the item was operated during the test/inspection, and any control conditions imposed.
- 10.2.6.4 Test/inspection results and analysis. A copy of all test/inspection results and analysis to include the following:
- 10.2.6.4.1 Recorded data. The actual recorded data (for example, log book entries, oscillographs, instrument readings, plotter graphs). If the recorded data is extensive, provide it in an appendix.
- 10.2.6.4.2 <u>Test/inspection results</u>. Identification of all test/inspection results to include the following:
- a. Matrices comparing results achieved against test/inspection objectives or requirements.
- b. A discussion of these matrices as to their significance, and how they compare to any prior test/inspections.
  - c. Calculation examples.
- d. Discussion of anomalies, deviations, discrepancies, or failures, including their impact, causes, and proposed corrective actions. The discussion shall address discrepancies between design requirements and the tested/inspected configuration.

- 10.2.6.5 Conclusions. Test/inspection conclusions distinguished between objective and subjective to include the following:
- a. The effectiveness of the test/inspection procedures in measuring item performance.

- b. The success or failure of the item to meet required test/inspection objectives.
  - c. The need for repeat, additional, or alternative tests/inspections.

d. The need for item redesign or further development.

- e. The need for improved test/inspection procedures, techniques, or facilities.
  - f. The adequacy and completeness of the test/inspection requirements.
- 10.2.6.6 Recommendations. Recommendations appropriate to the test/inspection results and conclusions including the following:
  - a. Acceptability of the item\_tested/inspected (pass or fail).

Additional testing/inspection required.

c. Redesign required.

d. Problem resolution. e. Test/inspection procedure of inspected.

f. Disposition of items tested/inspected. Test/inspection procedure or facility improvements.

h. Testing/inspection improvements.

- 10.2.7 Authentication. The following certifications shall be included, as applicable:
- 10.2.7.1 Authentication of test/inspection results. A statement that the test/inspection was performed in accordance with applicable test/inspection plans and procedures, and that the results are true and accurate. The authentication shall include the signature of the contractor personnel that performed the test(s)/inspection(s), a contractor representative authorized to make such certification, and any government witnesses.
- 10.2.7.2 Authentication of prior validation. A statement identifying those requirements not tested/inspected or measured that were previously validated. Include identification of the data and method employed for such validation (for example, prior test/inspection, analytical verification, equivalent item, and so on). The authentication shall include the signature of a contractor representative authorized to make such authentication and any government witness.
- 10.2.7.3 Authentication of acceptability. A statement that the item tested/ inspected either passed or failed item acceptability requirements. This authentication shall include the signature of a contractor representative authorized to make such authentication and any government witness.
- 10.2.8 Appendices Appendices shall be used to append detailed test/inspection data, drawings, photographs, or other documentation too voluminous to include in the main body of the report. This includes referenced documentation not previously provided by the government, and test/ inspection reports from any associated test/inspection activity that may have performed some of the testing/inspecting requirements.

Bid of DI-80809

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	MT. DOCIMENTS	DT-ADM	-80925
3. DESCRIPTION/PURPOSE			
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- 10.1 <u>Format.</u> The format requirements of the Revisions to Existing Government Documents shall be the same format requirements as delimented in the basic Government documents being revised.
- 10.2 <u>Contempts</u> The contempt requirements of the Revisions to Existing Givernment Pocuments shall be the same content requirements as delineated in the lesic Government document being revised.

11 DISTRIBUTION STATEMENT

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

#### DIC-AUDION-80025

# APPLICATION/INTERRELATIONSHIP (Continued)

- 7.3 This DID sixuld but be applied when the updating of an existing Government document requires a new format on additional content requirements.
- 7.4 The solicitation and comment must specifically identify (e.g., title, number, newision level, date, ext.) the existing Government document which is to updated.
- 7.5 This NUN may be applied in any solicitation or contract and during any acquisition phase.